

WHAT IS CLAIMED IS:

1 1. A mobile communications device, comprising:
2 means for determining mobile communications device location; and
3 means for linking metadata representing the determined mobile communications
4 device location to audio stream data sent from that mobile communications device for a wireless
5 communications call.

1 2. The device as in claim 1, wherein the means for determining comprises a
2 processing technique selected from the group consisting of global positioning system (GPS)
3 location determination, wireless network signal triangulation location determination, and serving
4 cell identification determination.

1 3. The device as in claim 1, wherein the means for linking includes the metadata as
2 in-band information along with the audio stream data.

1 4. The device as in claim 1, wherein the means for linking includes the metadata as
2 out-of-band information along with the audio stream data.

1 5. The device as in claim 1, wherein the means for linking operates in a repetitive
2 and periodic manner during the course of the wireless communications call to link metadata
3 representing the determined mobile communications device location to the audio stream data.

1 6. The device as in claim 1, wherein the determined location is an identification of
2 cell currently serving the mobile communication device and the means for linking operates to
3 link in response to detected changes in the currently serving cell.

1 7. The device as in claim 1, further including means for encrypting the determined
2 mobile communications device location.

1 8. The device as in claim 1, wherein the metadata includes a time stamp in addition
2 to the determined location.

1 9. The device as in claim 1, wherein the metadata includes call related data selected
2 from the group consisting of a call record, called/calling party, and billing identification in
3 addition to the determined location.

1 10. A wireless network node, comprising:
2 means for determining location of a mobile communications device in
3 communication with the node; and

4 means for linking metadata representing the determined mobile communications
5 device location to audio stream data sent from that mobile communications device for a wireless
6 communications call.

1 11. The node as in claim 10, wherein the means for determining comprises a
2 processing technique selected from the group consisting of wireless network signal triangulation
3 location determination, and serving cell identification determination.

1 12. The node as in claim 10, wherein the means for linking includes the metadata as
2 in-band information along with the audio stream data.

1 13. The node as in claim 10, wherein the means for linking includes the metadata as
2 out-of-band information along with the audio stream data.

1 14. The node as in claim 10, wherein the means for linking operates in a repetitive
2 and periodic manner during the course of the wireless communications call to link metadata
3 representing the determined mobile communications device location to the audio stream data.

1 15. The node as in claim 10, wherein the determined location is an identification of
2 cell currently serving the mobile communication device and the means for linking operates to
3 link in response to detected changes in the currently serving cell.

1 16. The node as in claim 10, further including means for encrypting the determined
2 mobile communications device location.

1 17. The node as in claim 10, wherein the metadata includes a time stamp in addition
2 to the determined location.

1 18. The node as in claim 10, wherein the metadata includes call related data selected
2 from the group consisting of a call record, called/calling party, and billing identification in
3 addition to the determined location.

1 19. A communications network, comprising:

2 a mobile communications device;

3 a communications terminal, wherein the mobile communications device and

4 communications terminal are connected to a call which includes audio stream data;

5 means for determining location of the mobile communications device;

6 means for linking metadata representing the determined mobile communications

7 device location to the audio stream data sent from that mobile communications device; and

8 means at the communications terminal for extracting the metadata from the audio

9 stream data and presenting the location of the mobile communications device.

1 20. The network as in claim 19, wherein the means for determining and means for

2 linking are located within the mobile communication device.

1 21. The network as in claim 19, wherein the means for determining and means for

2 linking are located within a network node of the communications network.

1 22. The network as in claim 19, wherein the means for determining comprises a

2 processing technique selected from the group consisting of global positioning system (GPS)

3 location determination, wireless network signal triangulation location determination, and serving

4 cell identification determination.

1 23. The network as in claim 19, wherein the means for linking includes the metadata
2 as in-band information along with the audio stream data.

1 24. The network as in claim 19, wherein the means for linking includes the metadata
2 as out-of-band information along with the audio stream data.

1 25. The network as in claim 19, wherein the means for linking operates in a repetitive
2 and periodic manner during the course of the call to link metadata representing the determined
3 mobile communications device location to the audio stream data.

1 26. The network as in claim 19, wherein the determined location is an identification
2 of cell currently serving the mobile communication device and the means for linking operates to
3 link in response to detected changes in the currently serving cell.

1 27. The network as in claim 19, further including means for encrypting the
2 determined mobile communications device location.

1 28. The network as in claim 19, wherein the metadata includes a time stamp in
2 addition to the determined location.

1 29. The network as in claim 19, wherein the metadata includes call related data
2 selected from the group consisting of a call record, called/calling party, and billing identification
3 in addition to the determined location.

1 30. The network as in claim 19, wherein the communications terminal is a
2 surveillance device connected into the call.

1 31. The network as in claim 19, wherein the communications terminal is a voice
2 recording device connected to the call.

1 32. A method, comprising:
2 determining a location of a mobile communications device; and
3 linking metadata representing the determined mobile communications device
4 location to audio stream data sent from that mobile communications device for a wireless
5 communications call.

1 33. The method as in claim 32, wherein determining comprises location processing as
2 selected from the group consisting of global positioning system (GPS) location determining,
3 wireless network signal triangulation location determining, and serving cell identification
4 determining.

1 34. The method as in claim 32, wherein linking comprises including the metadata as
2 in-band information along with the audio stream data.

1 35. The method as in claim 32, wherein linking comprises including the metadata as
2 out-of-band information along with the audio stream data.

1 36. The method as in claim 32, wherein linking includes operating in a repetitive and
2 periodic manner during the course of the wireless communications call to link metadata
3 representing the determined mobile communications device location to the audio stream data.

1 37. The method as in claim 32, wherein the determined location is an identification of
2 cell currently serving the mobile communication device and linking includes operating to link in
3 response to detected changes in the currently serving cell.

1 38. The method as in claim 32, further including encrypting the determined mobile
2 communications device location.

1 39. The method as in claim 32, further including:
2 extracting the metadata from the audio stream data; and
3 presenting the location of the mobile communications device.

1 40. The method as in claim 32, wherein the metadata includes a time stamp in
2 addition to the determined location.

1 41. The method as in claim 32, wherein the metadata includes call related data
2 selected from the group consisting of a call record, called/calling party, and billing identification
3 in addition to the determined location.

1 42. The method as in claim 32, further comprising recording the audio stream data
2 and linked metadata.